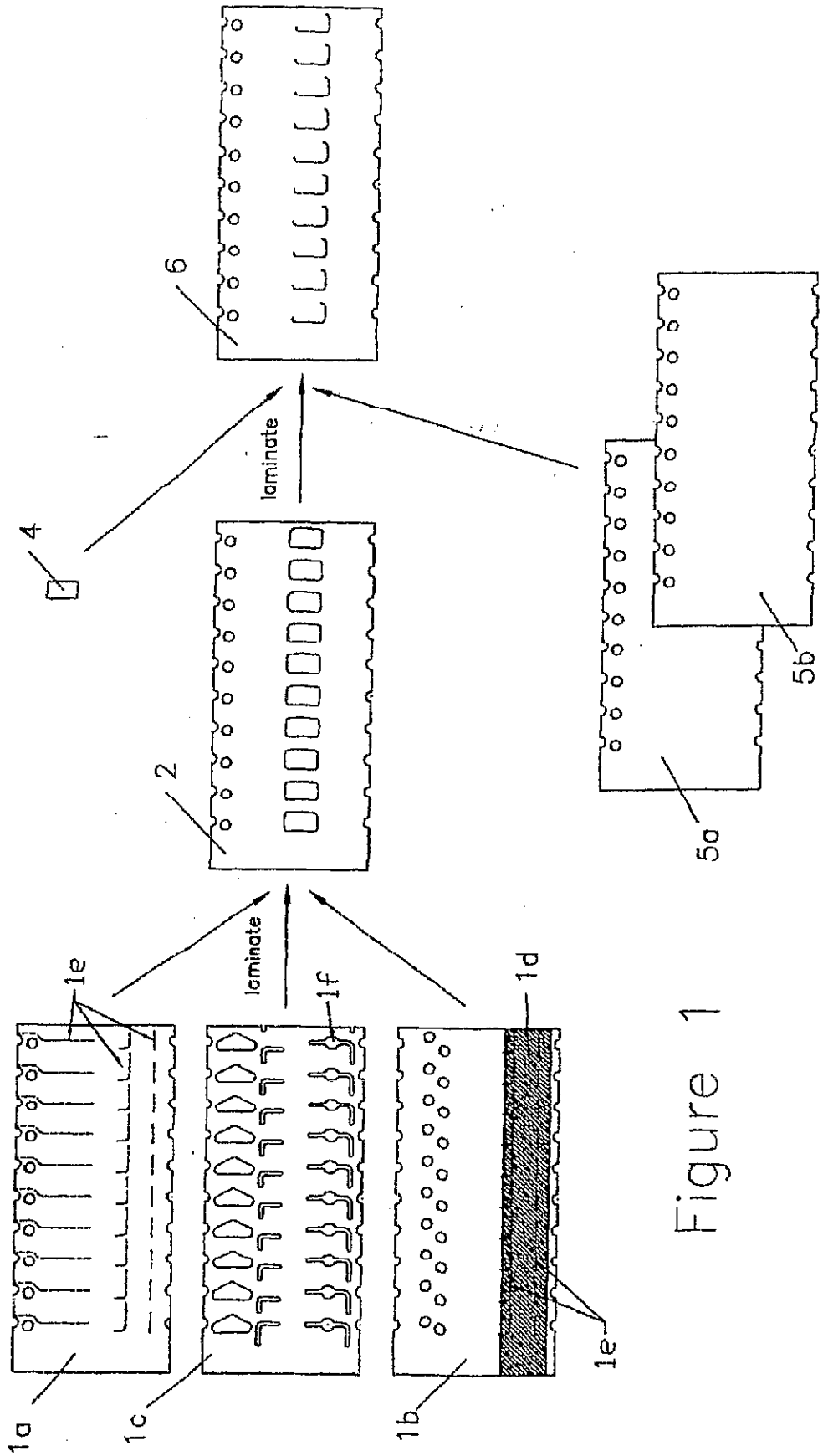


Figure 1

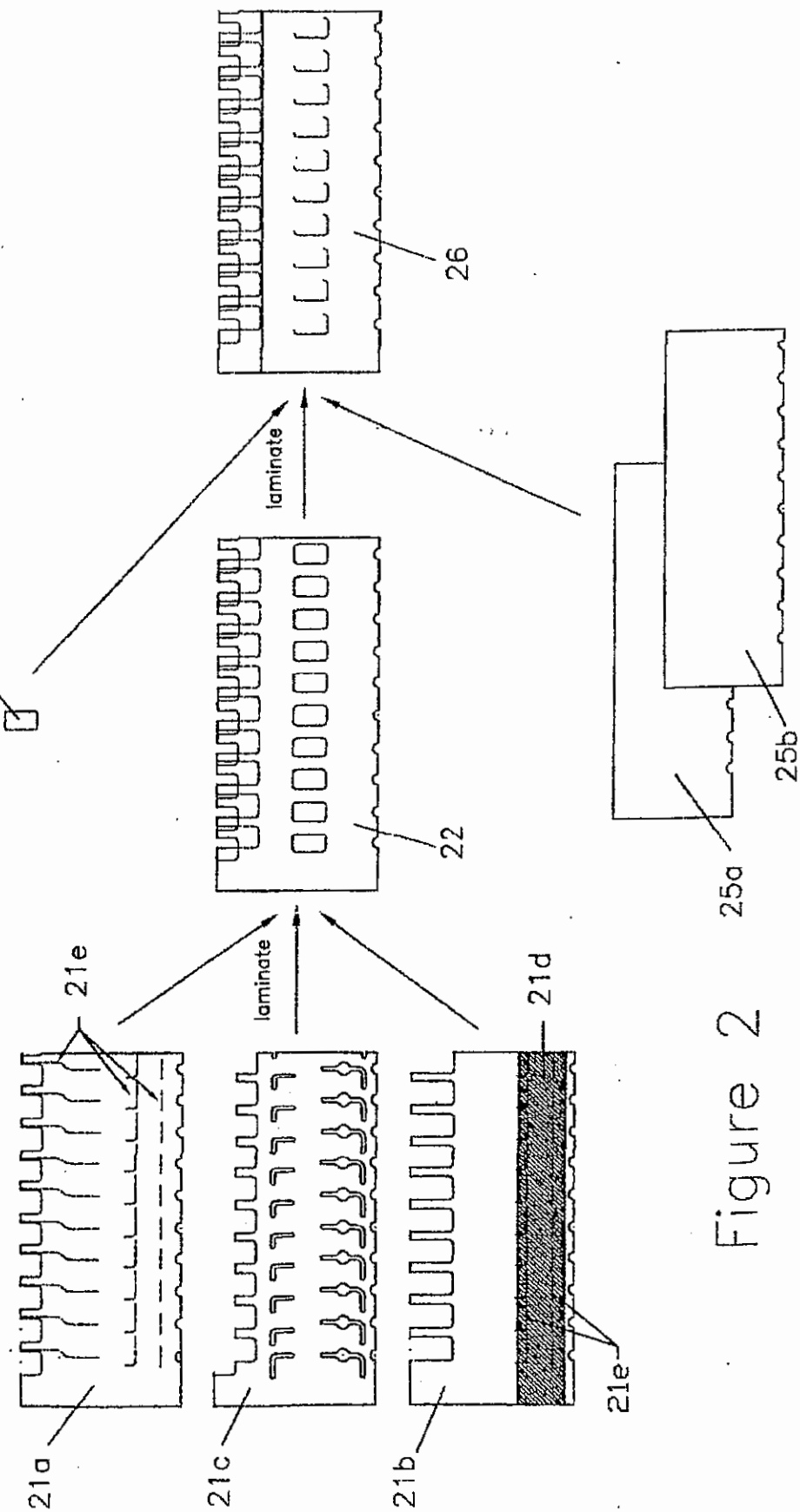


Figure 2

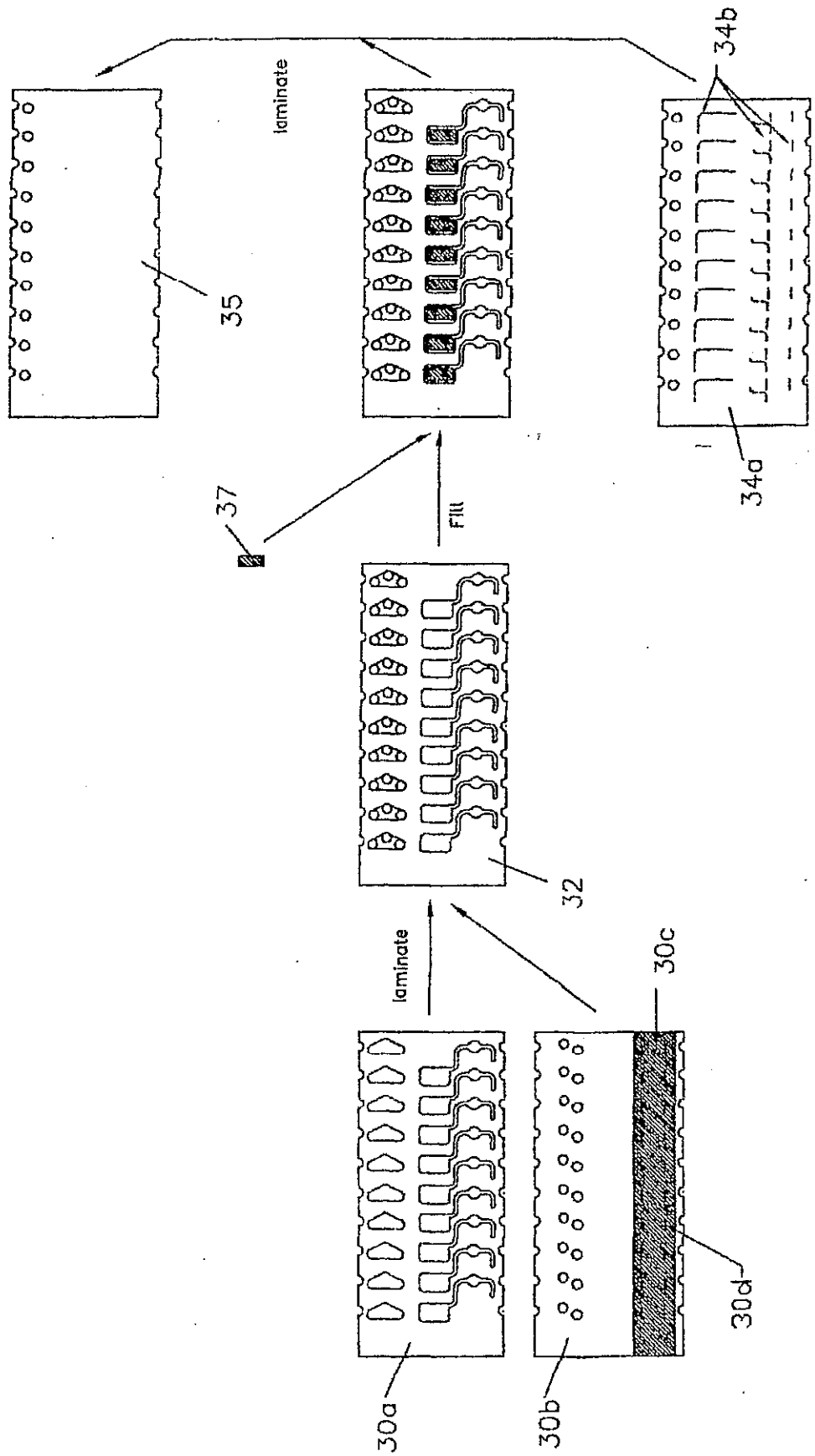


Figure 3

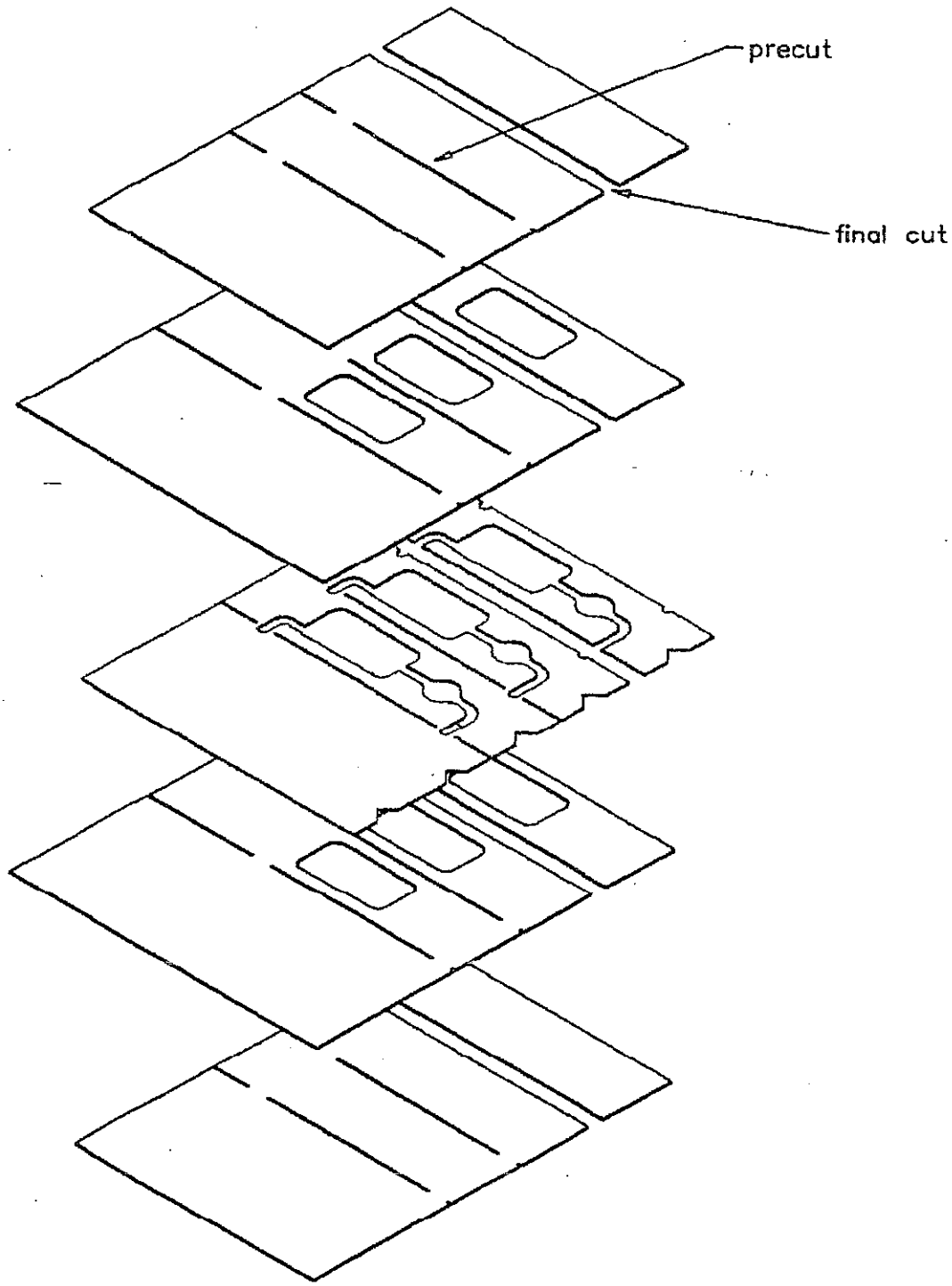


Figure 4a

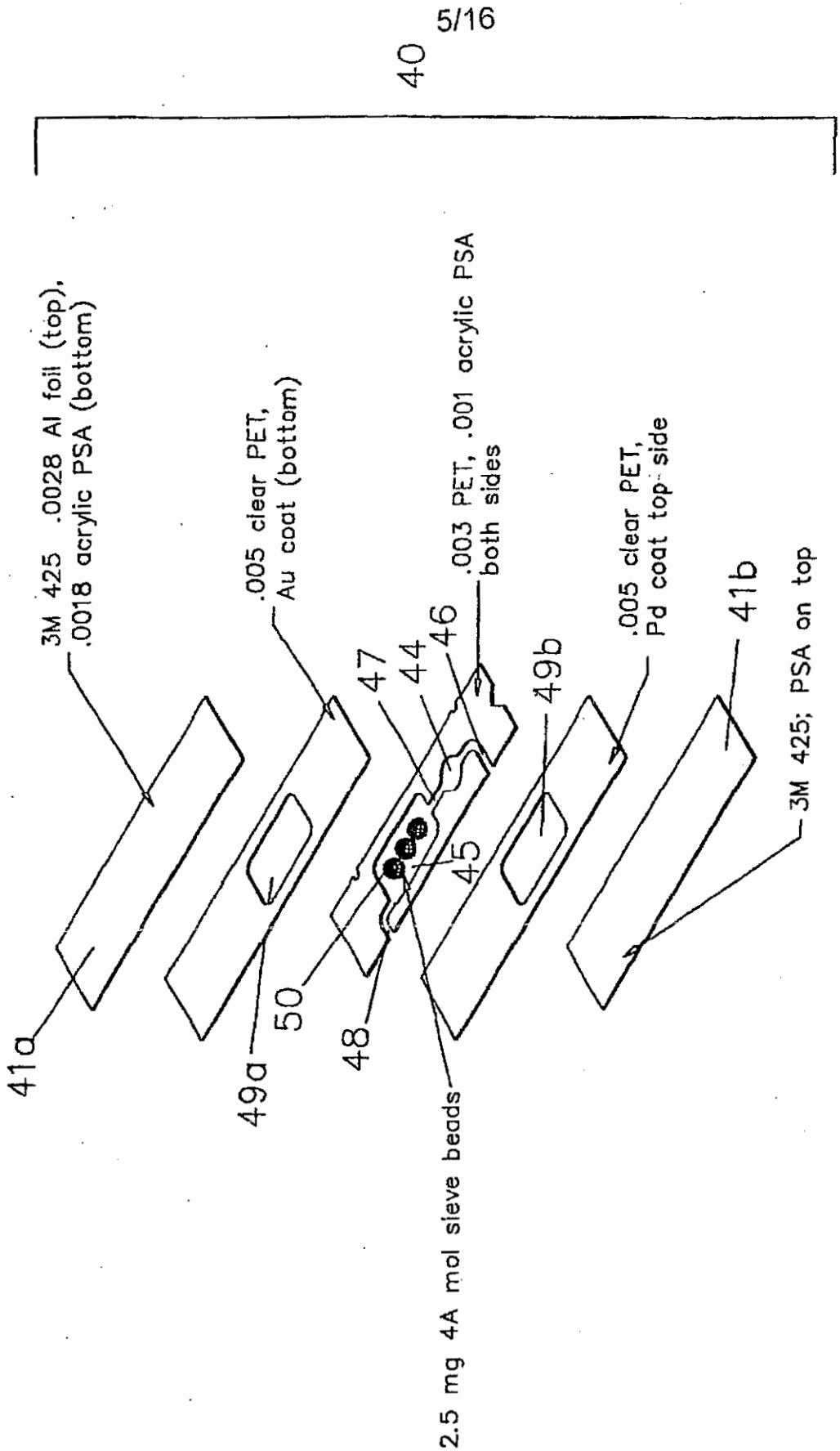

40
3M 425 .0028 Al foil (top),
.0018 acrylic PSA (bottom)
.005 clear PET,
Au coat (bottom)
.003 PET, .001 acrylic PSA
both sides
.005 clear PET,
Pd coat top side
41a
49a
50
48
47
44
46
45
49b
41b
3M 425; PSA on top
2.5 mg 4A mol sieve beads

Figure 4b

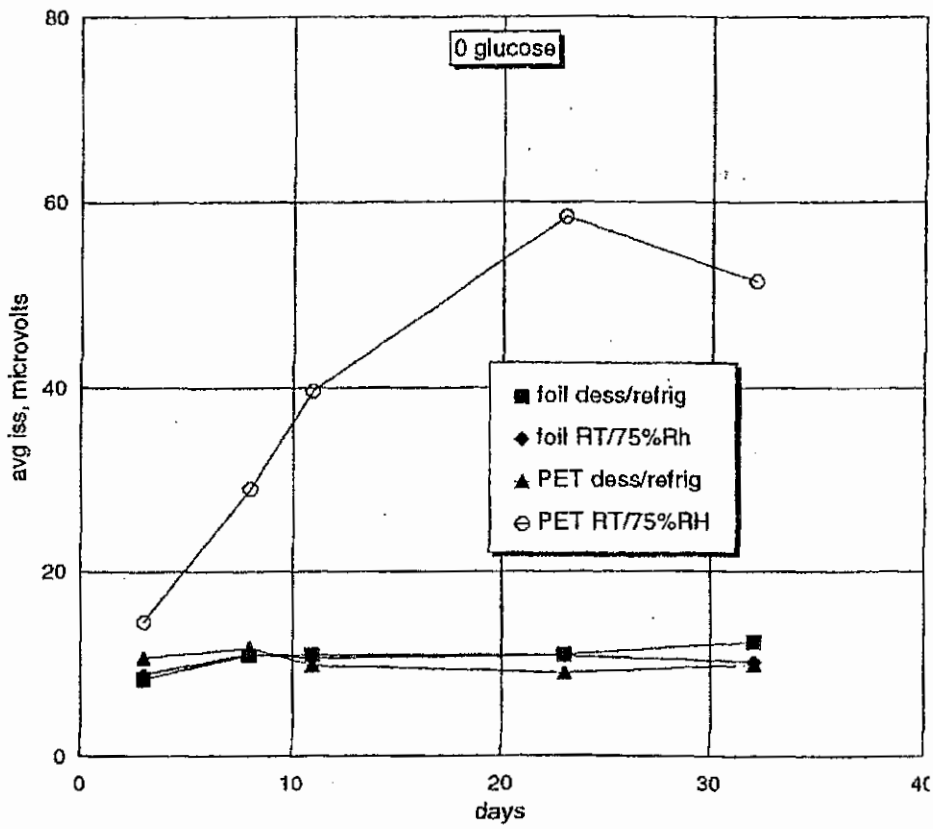

0 glucose
foil dess/refrig
foil RT/75%Rh
PET dess/refrig
PET RT/75%RH
avg iss, microvolts
days
0
20
40
60
80
0
10
20
30

Figure 5a

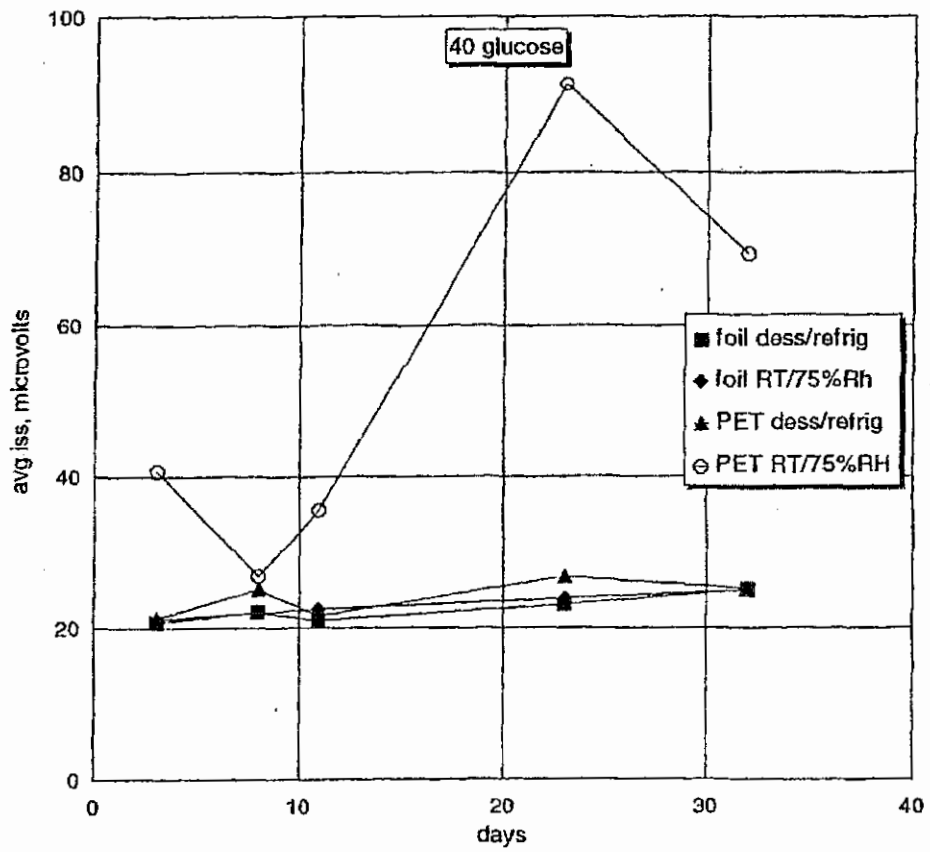

40 glucose
avg iss, microvolts
days
foil dess/refrig
foil RT/75%Rh
PET dess/refrig
PET RT/75%RH
0
20
40
60
80
100
0
10
20
30
40

Figure 5b

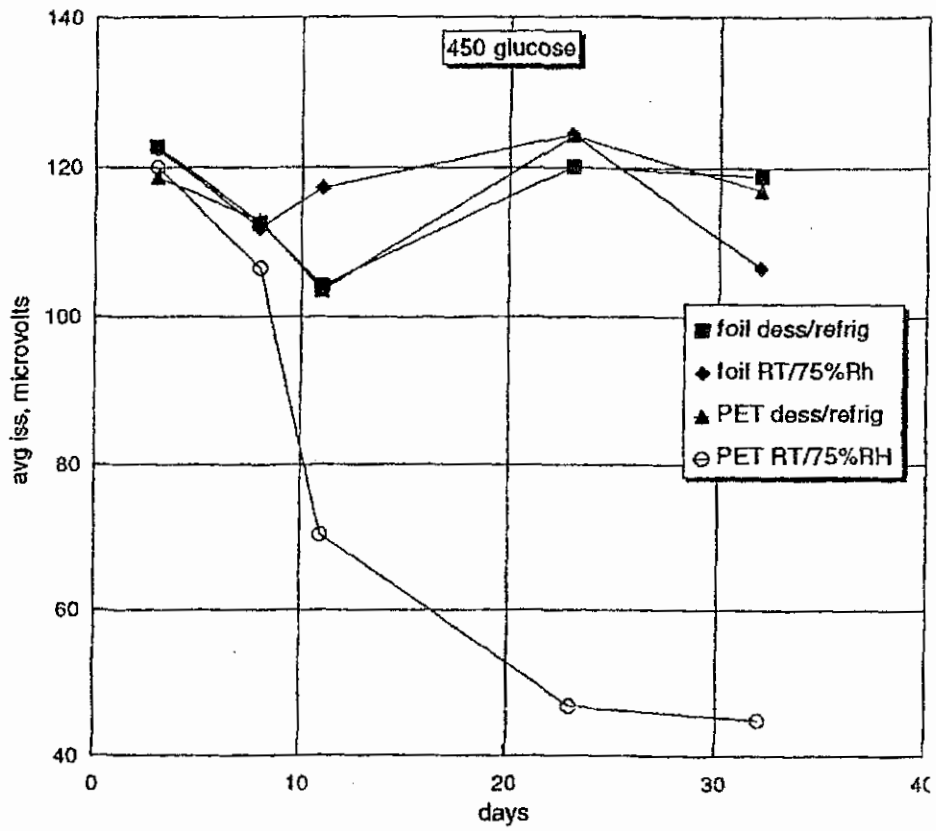

450 glucose
avg iss, microvolts
days
140
120
100
80
60
40
0
10
20
30
foil dess/refrig
foil RT/75%Rh
PET dess/refrig
PET RT/75%RH

Figure 5c

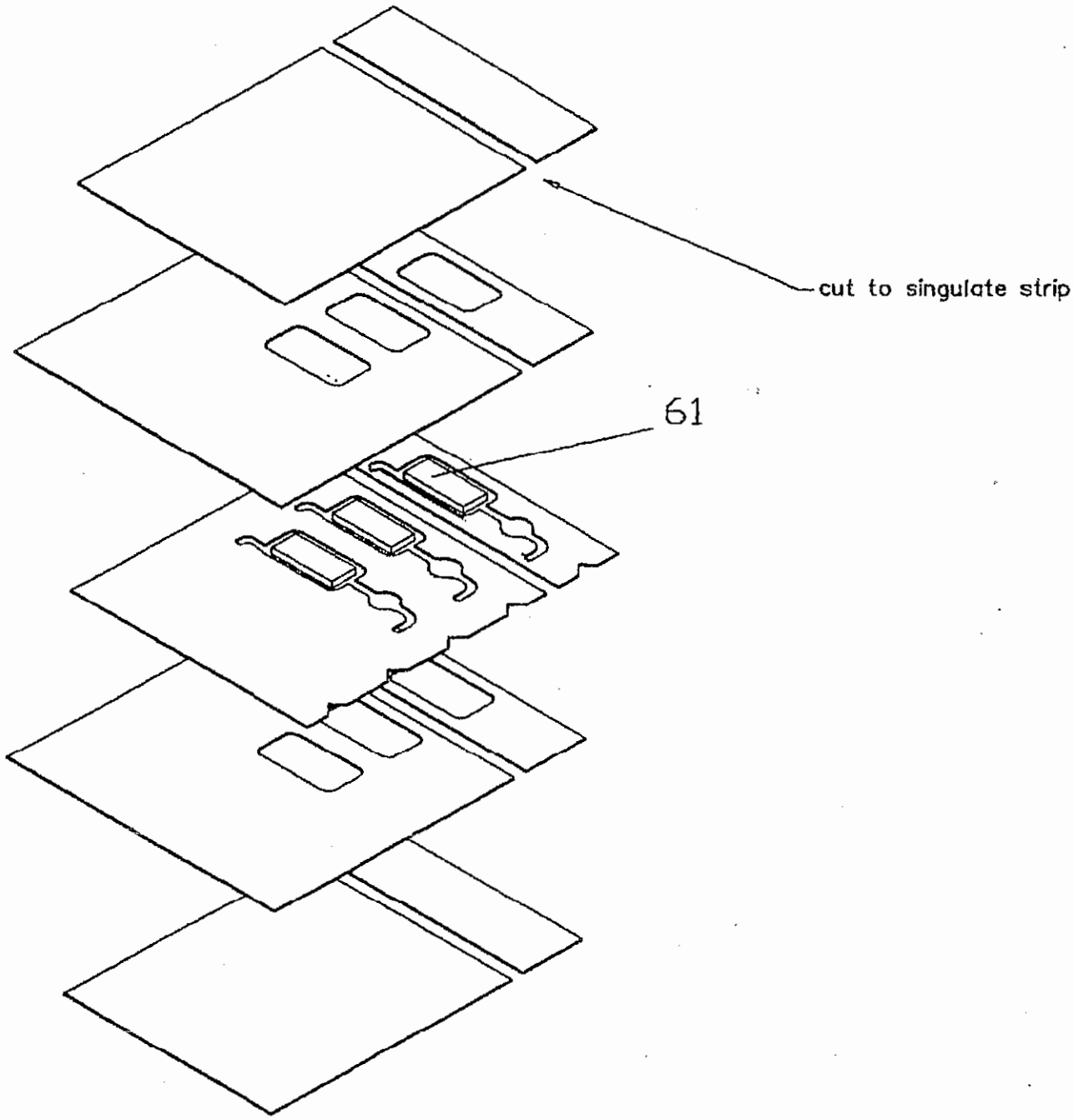


Figure 6a

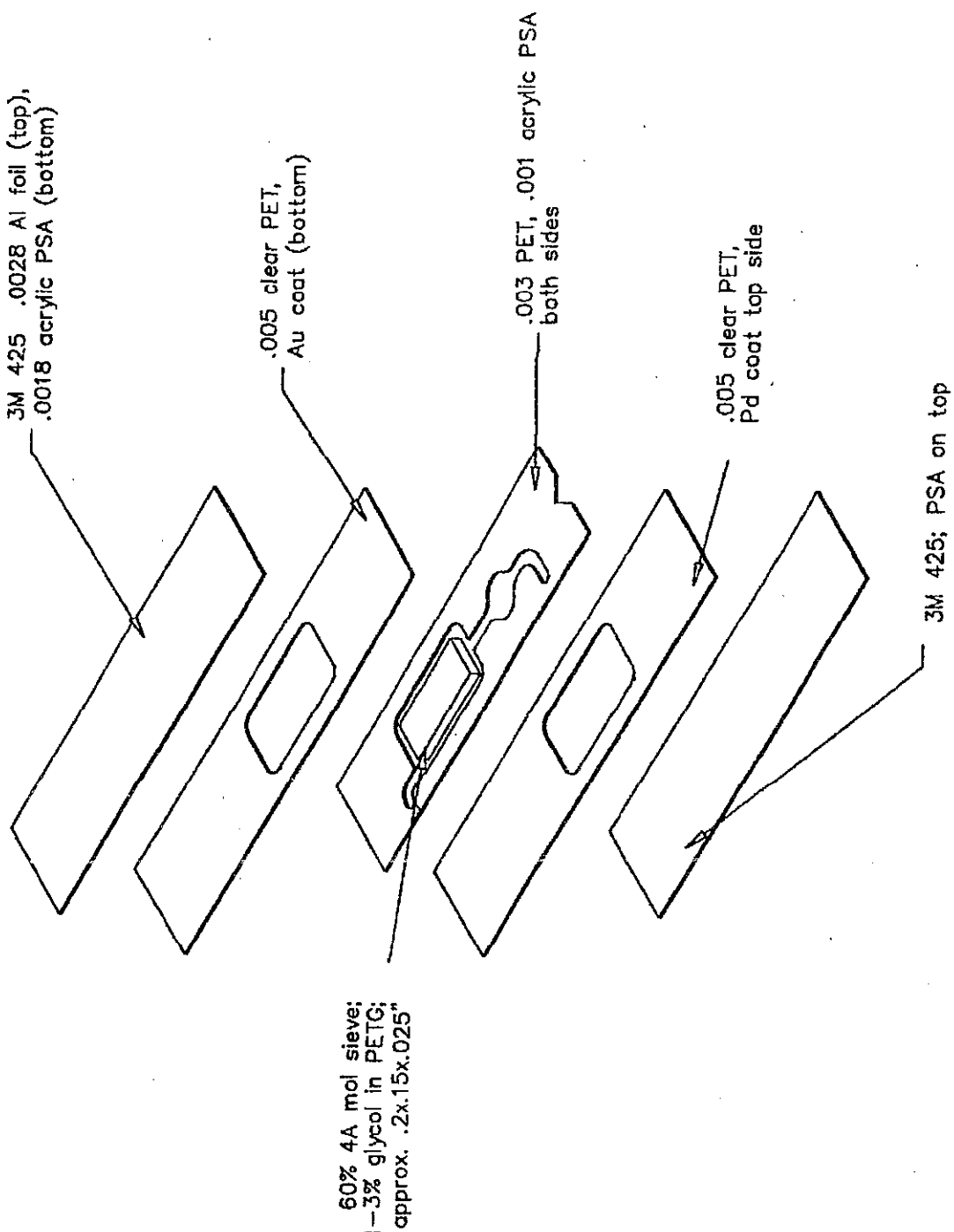

3M 425 .0028 Al foil (top),
.0018 acrylic PSA (bottom)
.005 clear PET,
Au coat (bottom)
.003 PET, .001 acrylic PSA
both sides
.005 clear PET,
Pd coat top side
3M 425; PSA on top
60% 4A mol sieve;
1-3% glycol in PETG;
approx. .2x.15x.025"

Figure6b

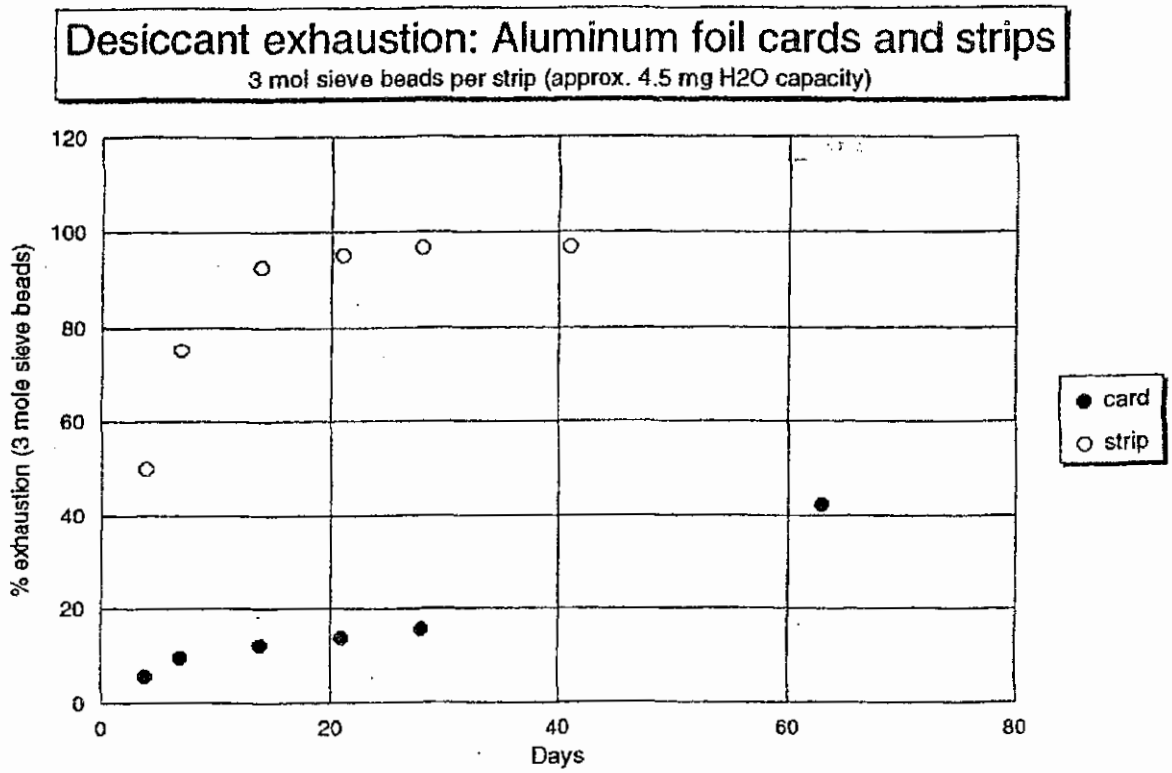

Desiccant exhaustion: Aluminum foil cards and strips
3 mol sieve beads per strip (approx. 4.5 mg H2O capacity)
% exhaustion (3 mole sieve beads)
120
100
80
60
40
20
0
0
20
40
60
80
Days
card
strip

Figure 7

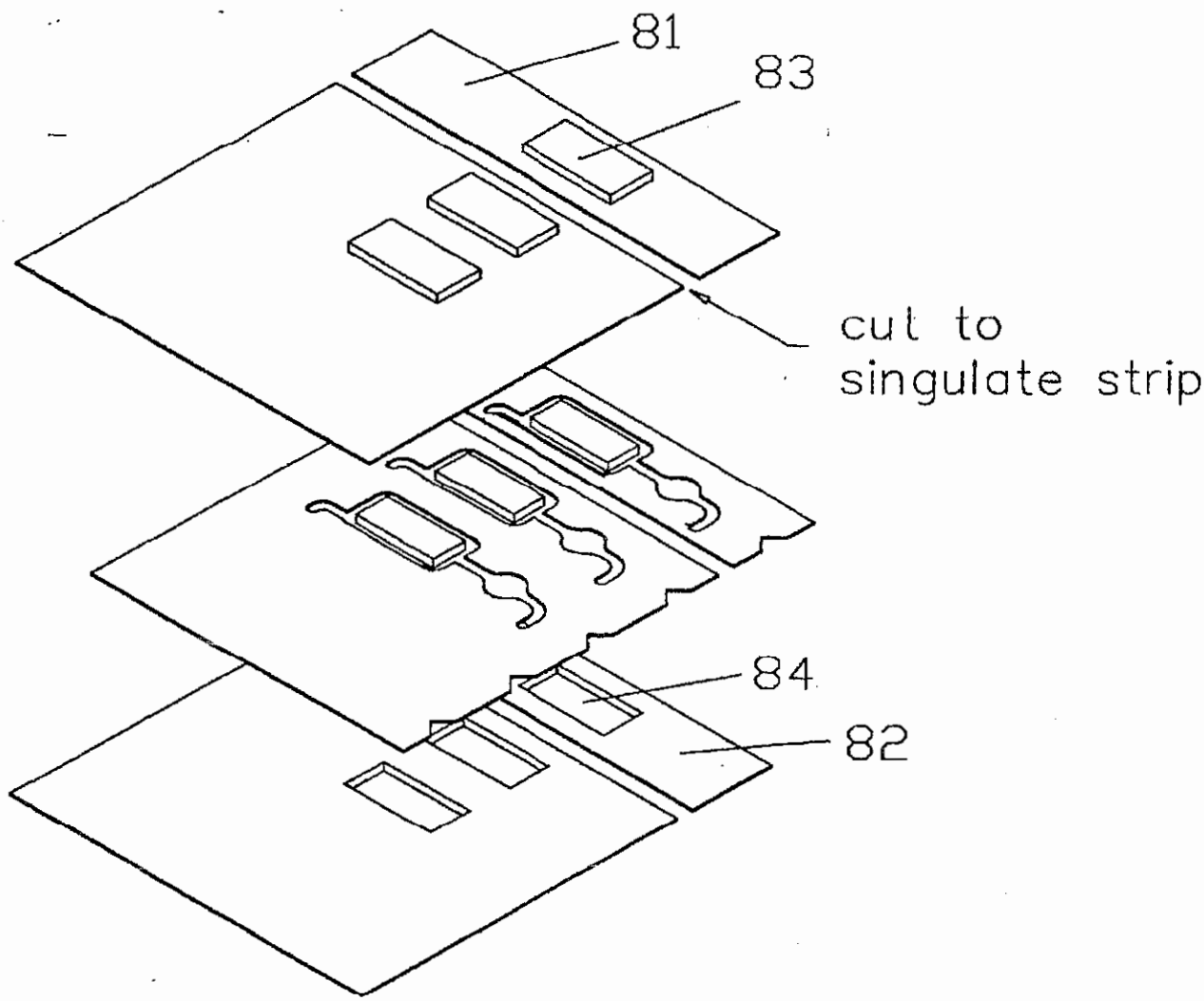


Figure 8a

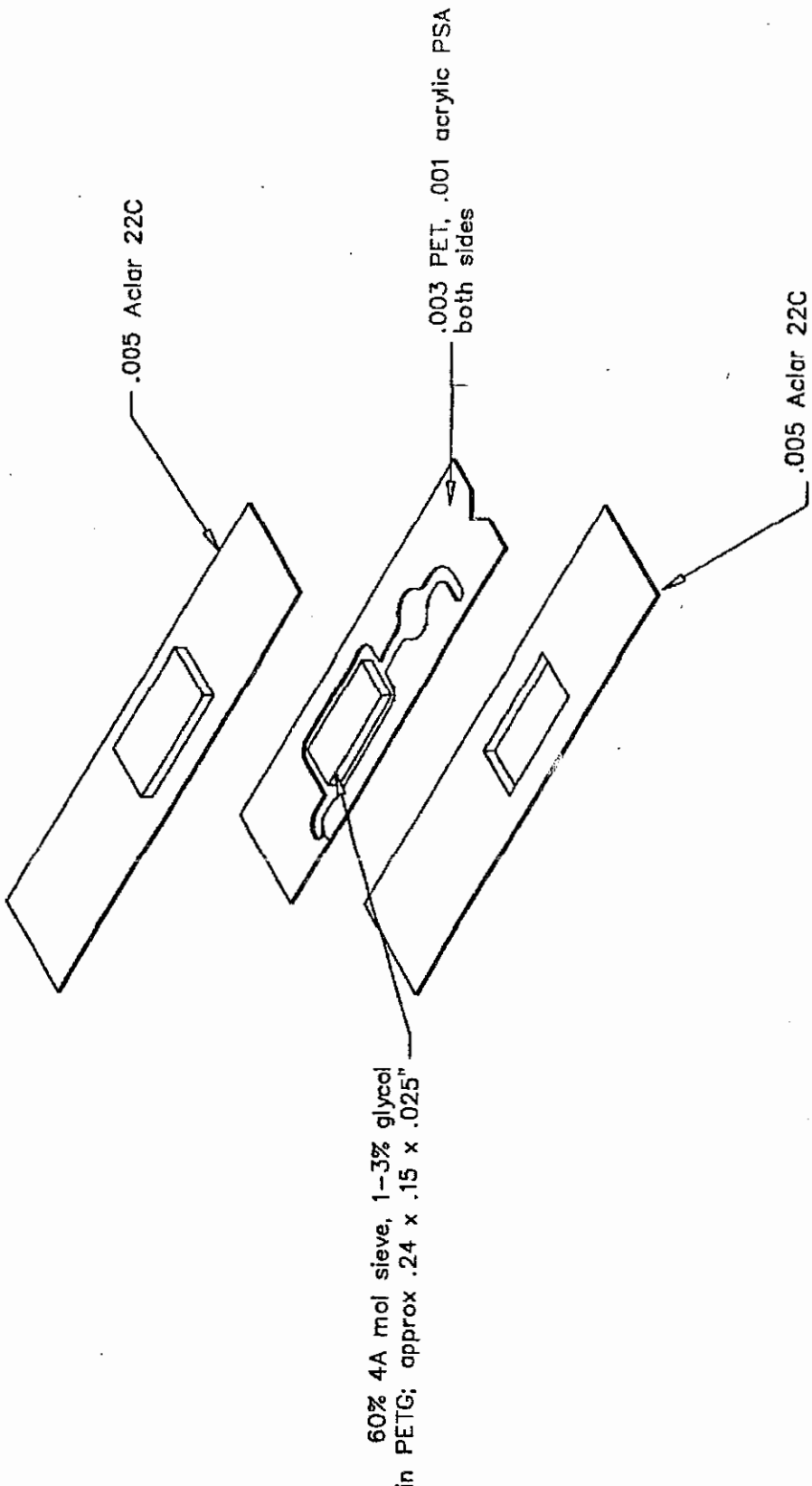

.005 Aclar 22C
.003 PET, .001 acrylic PSA both sides
.005 Aclar 22C
60% 4A mol sieve, 1-3% glycol in PETG; approx .24 x .15 x .025"

figure 8b

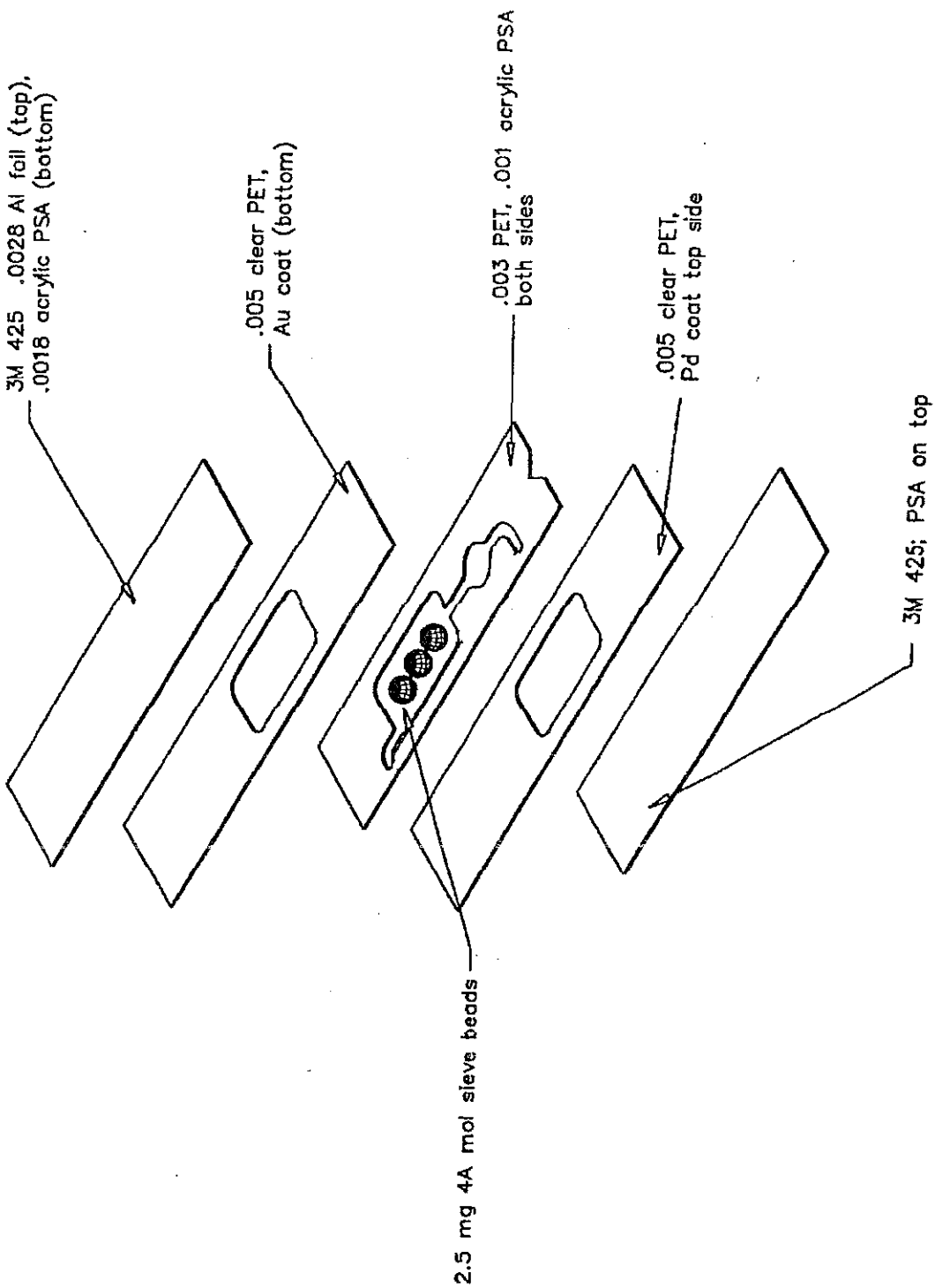

3M 425 .0028 Al foil (top),
.0018 acrylic PSA (bottom)
.005 clear PET,
Au coat (bottom)
.003 PET, .001 acrylic PSA
both sides
.005 clear PET,
Pd coat top side
3M 425; PSA on top
2.5 mg 4A mol sieve beads

Figure 9b

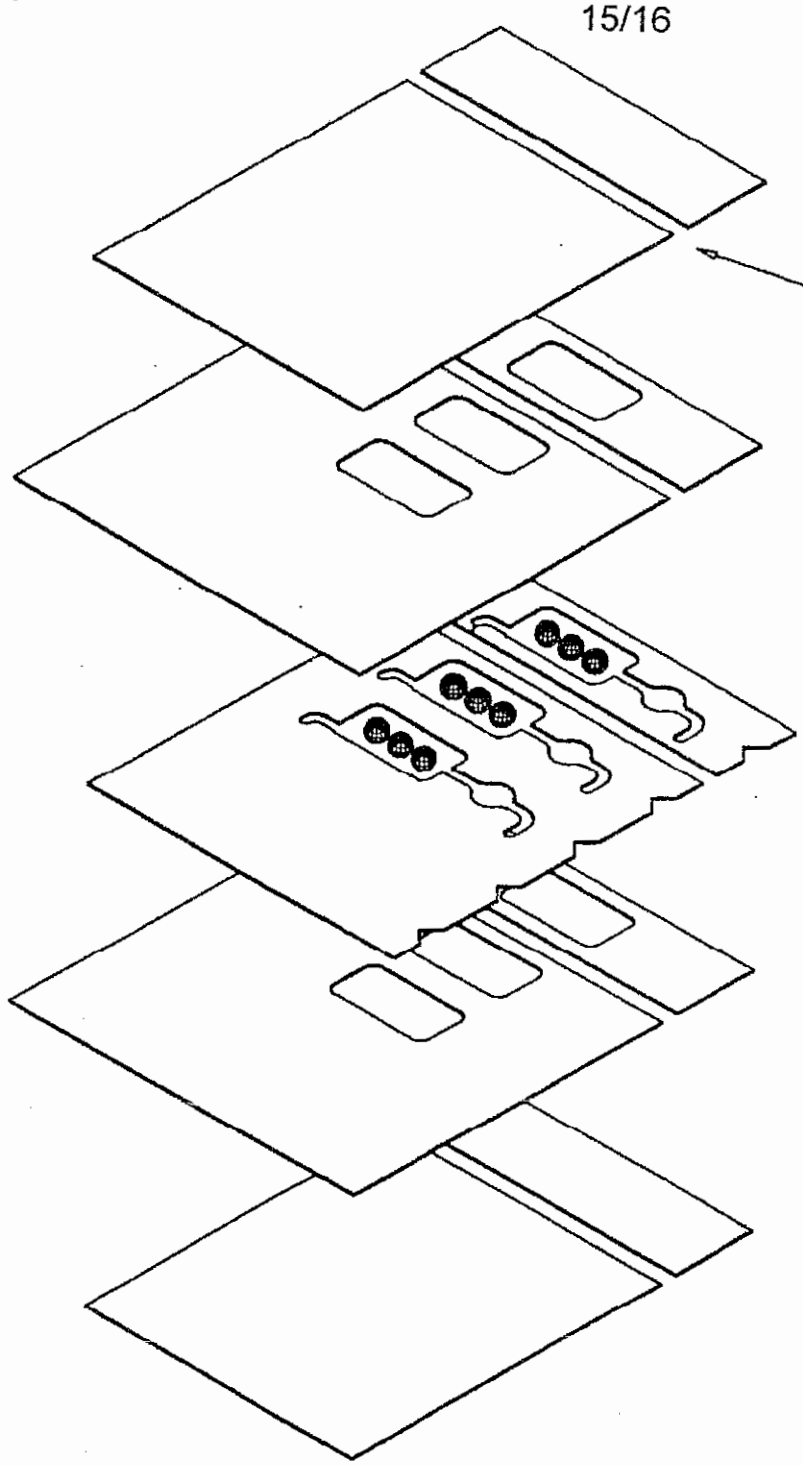


Figure 9a

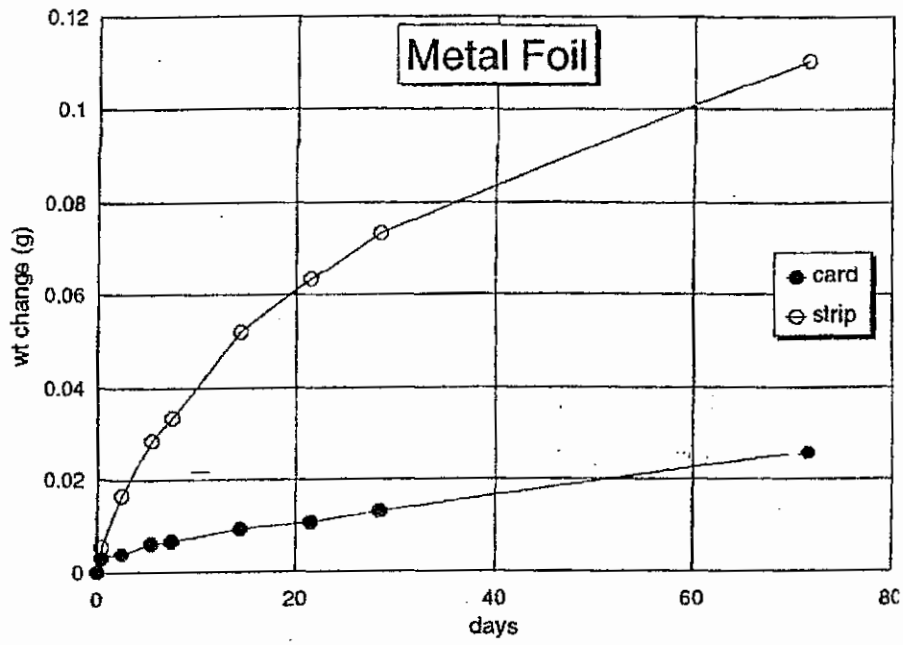


Figure 10a

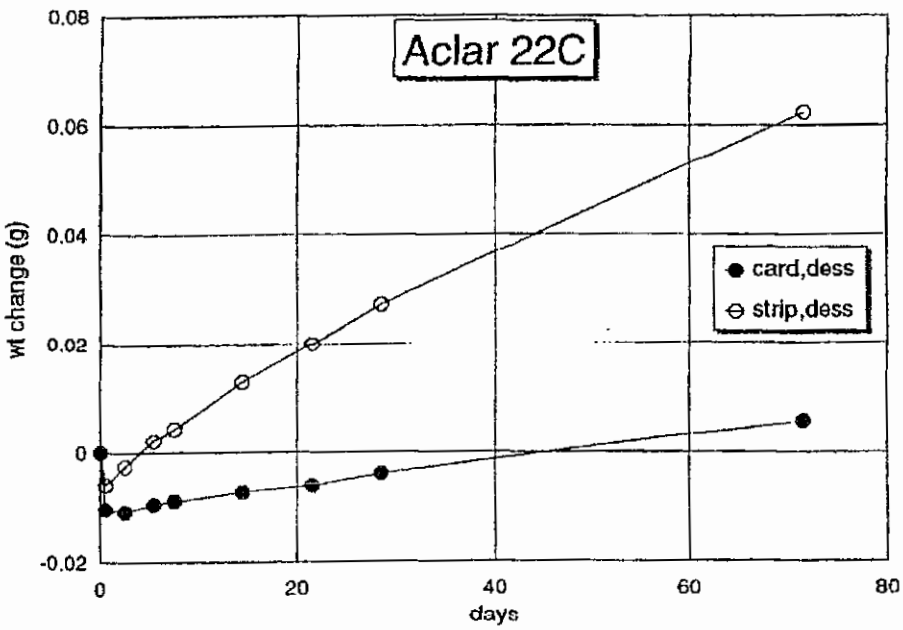


Figure 10b